

**ADDENDUM #1
REPLACEMENT OF EXISTING CHILLER
AT GRAHAM HALL
LOUISIANA TECH UNIVERSITY
RUSTON, LOUISIANA
LATECH PN 50012-459-20
GUTH PN 22-7004**

April 24, 2020

THE FOLLOWING MODIFICATIONS AND/OR CLARIFICATIONS SHALL BE MADE TO THE DRAWING AND PROJECT MANUAL FOR THE CAPTIONED PROJECT:

- The bid opening for the referenced project is rescheduled for 2:00 PM on Thursday, May 7, 2020.
- Due to the recent outbreak of Covid-19 and in order to comply with the Governor's prohibition of public gatherings, measures have been taken to ensure the safety of all persons participating in the bidding process. To this end, bids for this project shall only be received via email at the following secure email address:
latechbids@latech.edu
- Bidders are strongly encouraged to select the option of receiving a READ AND DELIVERY RECEIPT upon email delivery of bid submission for electronic evidence of time of email bid opening.
- If the file size of the email submission exceeds server requirements, the email submission may be broken into smaller emails with "Part 1 of ____" included in the end of each original Subject Line.
- Bidders shall include the following information in the subject line of the bid submission email: Bidder name, Bidder license number, Bid number and Part-Number if applicable.

Example:

Quality Mechanical, License 2223221, Bid 51200-666-20, Part 1 of 3

- Only documents required for submission of bid in accordance with R.S. 38:2212 (B)(2) shall be attached to your email.
- The deadline for receipt of bids is 2:00 PM on Thursday, May 7, 2020. Bids received after that time shall be considered non-responsive.
- Bids will be opened and a copy of the bid tabulation sheet will be emailed to the email address submitting the bid.

Louisiana Tech assumes no liability for assuring accurate/complete email transmission and receipt. The responsibility solely lies with each Bidder to ensure their bid is received at the specified email address prior to the deadline for submission. Bids received after the deadline, corrupted files, and incomplete submissions (e.g. Part 1 and Part 2 of 3 are received, but Part 3 is not) will not be considered.

MECHANICAL

DRAWINGS

1. Sheet M1.1:
 - a. Note MD1: Add the following: “Refrigerant: at the time of rendering each existing cooling unit “out of service”, carefully transfer the refrigerant into containers provided by the Contractor. Include all refrigerant in the chiller and also stored in the mechanical room. Transport containers to Tech maintenance facility. The refrigerant is Chromated Lithium Bromide.
 - b. Note MD1: Add the following: Remove existing cooling tower concrete supports.
2. Sheet M2.1:
 - a. Detail D, Chilled Water Piping:
 - (1) Delete Balance valve at Air Cooled Chiller #1
 - (2) Provide New Multi-purpose pump valve, flexible connections, gate valve, suction diffuser and pressure gages at CW Pump #1. Reconnect existing chemical treatment feeder.
 - (3) Existing pump concrete pad to remain. Modify as required for CW pump #1.
 - b. Detail C, CHWS chiller control diagram: Delete motorized shut off valve.
 - c. Detail A – Pipe Trench Detail: Delete separation fabric.
 - d. Detail E, Section AA: Change 1’ - 0” minimum dimension to 18” minimum.

SPECIFICATIONS

1. SECTION 23 08 00 BASIC MANAGEMENT AND CONTROL SYSTEMS:
 - a. Para 1.2: Insert the following:

“E. Provide a standalone BACnet capable DDC Chilled Water System controller with LCD display for local monitor and control of the system. This controller shall provide enable/disable, status, and general alarm of the new chiller as well as enable/disable and status of the new chilled water pump. The controller shall monitor the following temperatures per page M2.1 of the plan documents: Outdoor Air Temperature and Humidity, Mechanical Room Temperature, Chilled Water Supply and Return Temperature. The chiller shall be provided with BACnet communications capability for future integration. The chiller’s control panel shall handle all integral operation functions. “

EQUIPMENT APPROVALS

The following manufacturers are approved as substitutes for the items listed, subject to compliance with drawings, specifications, space limitation requirements, and comparison to the specified unit:

1. Air Cooled Chillers:
 - a. TRANE CGAM Series
2. Motor Starters
 - a. TACO
3. Pre-insulated Hydronic Piping
 - a. Insul-Pipe

ELECTRICAL

DRAWINGS

1. Sheet E1.1:
 - a. Note E5: Heat Tape shall be provided under Section 23 05 33 Electric Heat Tracing.
 - b. Note E9: The Motor Starter shall be provided under Section 23 05 00 Basic Mechanical Materials and Methods, paragraph 3.5 E.1.
 - c. Modify existing transformer concrete pad as required for new transformer.